

Adenylosuccinate Lyase Human Recombinant

Item Number	rAP-1278
Synonyms	Adenylosuccinate lyase, ASL, Adenylosuccinase, ASase, ADSL, AMPS.
Description	ADSL Human Recombinant produced in E.coli is a single, non-glycosylated polypeptide chain containing 520 amino acids (1-484) and having a molecular mass of 59kDa. ADSL is fused to a 36 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.
Uniprot Accession Number	P30566
Amino Acid Sequence	MRGSHHHHHH GMASMTGGQQ MGRDLYDDDD KDRWGSMAAG GDHGSPDSYR SPLASRYASP EM-CFVFSDRY KFRTWRQLWL WLAEAEQTLG LPITDEIQIE MKSNLENIDF KMAAEEEEKRL RHDVMAHVHT FGHCCPKAAG IHLGATSCY VGDNTDLIIL RNALDLLLPK LARVISRLAD FAKERASLPT LGFTHFQPAQ LTTVGKRCCL WIQDLCMDLQ NLKRVRDDLR FRGVKGTTGT QASFLQLFEG DDHKVEQLDK MVTEKAG-FKR AFIITGQTYT RKVDIEVLSV LASLGASVHK ICTDIRLLAN LKEMEPEFEK QQIGSSAMPY KRN-PMRSERC CSLARHMLTL VMDPLQTASV QWFERTLDDS ANRRICLAE FLTADTILNT LQNISEGLVV YPKVIERRIR QELPFMATEN IIMAMVKAGG SRQDCHEKIR VLSQQAASVV KEGGDNNDLI ERIQVDAYFS PIHSQLDHLL DPSSFTGRAS QQVQRFLEEE VYPLKPYES VMKVKAELCL.
Source	Escherichia Coli.
Physical Appearance and Stability	Sterile Filtered colorless solution. Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.
Formulation and Purity	The ADSL solution (1mg/ml) contains 20mM Tris-HCl buffer (pH 8.0), 1mM DTT, 40% glycerol and 0.1M NaCl. Greater than 95.0% as determined by SDS-PAGE.
Application	
Solubility	
Biological Activity	
Shipping Format and Condition	Lyophilized powder at room temperature.

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the ender users! This product is sold for **Research Use Only**